

CLAIMS:

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1. End closure member (1) with at least one feed-through (5), characterized in, that the end closure member (1) has at least one through-going feed-through opening (2), whereby the through-going feed-through opening (2) cross-section varies along the end closure member (1) longitudinal axis.

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2. End closure member (1) according to claim 1, characterized in, that the ratio between the area of the smallest through-going feed-through opening cross-section and the area of the largest through-going feed-through opening cross-section is ≤ 1 and > 0 , preferably the ratio is ≤ 0.5 and > 0 , more preferably the ratio is ≤ 0.2 and > 0

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and/or the difference between the area of the largest through-going feed-through opening cross-section and the area of the smallest through-going feed-through opening cross-section is $> 0 \text{ mm}^2$, preferably the difference between the areas is $\geq 1.5 \text{ mm}^2$, more preferably the difference is $\geq 5.0 \text{ mm}^2$, and most preferably the difference is $\geq 13.4 \text{ mm}^2$.

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3. End closure member (1) according to claims 1 to 2, characterized in, that the end closure member (1) is a metal, a metal alloy, a coated metal, a metal assembly, and/or a cermet material, preferably a cermet, and most preferably the cermet material has a gradient.

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4. End closure member (1) according to claims 1 to 3, characterized in, that the end closure member (1) is substantially tubular shaped, preferably the shape has a profile from the group comprising a cork, a disk, a plug, and/or an end cap.

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5. End closure member (1) according to claims 1 to 4, characterized in, that the end closure member (1) feed-through entry opening (8) cross-section is larger than the feed-through exit opening (9) one.

6. End closure member (1) according to claims 1 to 5, characterized in, that the longitudinal feed-through opening (2) cross-section has the form of a cone, a parabola, a hyperbola, an ellipse, a hemisphere, a Y-profile, an X-profile, a T-profile, or
5 a V-profile.

7. End closure member (1) according to claims 1 to 6 with connection means (10), whereby the feed-through (5) is gas-tight connected in the feed-through opening (2), and whereby the gas-tight connection is formed at least close to the area of
10 the feed-through exit opening (9), preferably located directly at the feed-through exit opening (9).

8. Gas-tight high-pressure burner (11) comprising at least one end closure member (1) with a feed-through (5) according to claims 1 to 7.

15 9. Lamp, comprising at least one gas-tight high-pressure burner (11) according to claim 8, whereby the lamp is preferably arranged in an automotive headlamp unit.

20 10. Method of manufacturing a gas-tight high-pressure burner (11) comprising

- a) at least one end closure member (1) according to claims 1 to 7, and
- b) at least one discharge vessel (3) with at least one end opening (4),

whereby the manufacturing method comprises the steps:

- 25 i) filling said discharge vessel (3) with an ionisable filling through at least one feed-through opening (2), and
- ii) closing said feed-through opening (2) by arranging a feed-through (5) in said feed-through opening (2) followed by gas-tight connecting said feed-through (5) with the end closure member (1), whereby a gas-tight high-pressure
30 burner (11) is obtained.